

## EPS SSR-2

### POWER BUS LOSS: RPDA N1RS2 (includes RPCMs N1RS2 A, B, and C)

| ACTION  | EQUIP/FUNCTION LOST  | CREW INDICATIONS   | NOTES  |
|---|--|--|--|
| <p>1 PCS Node 1: C&amp;DH:<br/>MDM_N1-1<br/><b>Primary NCS MDM</b><br/>√State - Primary<br/>If no telemetry,<br/>√<b>MCC-H</b></p> <p><b>FGB EPS</b><br/><b>FGB: EPS</b></p> <p>If RACU5 - On<br/>Perform RACU 5<br/>Deactivate procedure<br/>(SODF: EPS).</p>  | <p>N1-2 MDM<br/>MDM N1-1 Srv Htr</p> <p>RPCM N1RS2 A (Type V)<br/>RPCM N1RS2B (Type V)<br/>RPCM N1RS2C (Type V)<br/>Control of RPCM N13B A<br/>Control of RPCM N13B B<br/>Control of RPCM N13B C</p>                         | <p><u>Caution Messages:</u><br/>MDM N1-1 Detected RT<br/>Fail<br/>MDM N1-2 - PMA 1</p> <p><u>Advisory Messages:</u><br/>RPCM N1RS2 A Loss Of<br/>Comm - NOD1<br/>RPCM N1RS2 B Loss Of<br/>Comm - NOD1<br/>RPCM N1RS2 C Loss Of<br/>Comm - NOD1<br/>MDM N1-1 Loss of Sync<br/>To MDM N1-2</p>   | <p>① Both MDMs are nominally active. In the event of loss of the primary MDM, the alternate MDM will automatically transition to primary.</p> <p>② String B of the Node 1 and PMA 1 Shell Heaters are nominally primary.</p> <p>③ Since the The internal Early Comm equipment is lost, the entire Early Comm system is lost. Power to the Port and Stbd antennas is removed.</p> |
| <p>If during Node 1 Pre-Ingress Warm-up, Ingress, or Post Egress Dryout<br/>√<b>MCC-H</b> for heater configuration.</p> <p>Node 1:TCS<br/><b>NODE 1:TCS</b><br/>'Node 1'</p> <p>sel Node 1 Htr [X] A<br/>[X] = <b>1 2 3 4 5 6 7 8 9</b><br/><b>cmd Ena Opr</b><br/><b>Execute</b><br/>Repeat<br/>Node 1: TCS<br/><b>NODE 1: TCS</b><br/>'PMA 1'</p> <p>sel PMA1 [X] A<br/>[X] = <b>1 3 4 5 7</b><br/><b>cmd Ena Opr</b><br/><b>Execute</b><br/>Repeat</p> | <p>2 Node 1 Shell Htrs String B<br/>PMA 1 Shell Htrs String B</p>  | <p><u>Telemetry:</u><br/>PCS Node 1: EPS<br/><b>NODE 1: EPS</b></p> <p>RPCM N1RS2 A - not Active<br/>RPCM N1RS2 B - not Active<br/>RPCM N1RS2 C - not Active</p> <p><b>FGB: EPS</b><br/><b>FGB:EPS</b></p> <p>RACU Details<br/>RACU 5 Converter - Off<br/>RACU 5 Output Current &lt; 1 Amp</p> <p>RACU 5 Output Voltage ~0 volts</p> | <p>④ Normally the CBMs are powered off.</p> <p>⑤ The RACU indications will only be valid, if the bus failure is due to a RACU failure.</p>   |
| <p>3 Node 1: EPS: RPCM: N1RS1<br/><b>RPCM NIRS1 C</b></p> <p>sel RPCM Detail<br/>sel RPC [X],<br/>[X] = <b>5 12</b><br/><b>cmd Open Execute</b><br/>Repeat</p>  | <p>CBM N1 Stbd Pri 1 (Early Comm Transceiver Pwr &amp; Htr)<br/>3 CBM N1 Stbd Pri 2 (Early Comm Spare)<br/>4 CBM N1 Stbd Pri 3 (Early Comm CTP)<br/>CBM N1 Stbd Pri 4 (Early Comm RFPDB)<br/>4 CBM N1 Port Pri (1 --- 4)</p> |  |  |
|   | <p>Nod1-2 SDO 1A Card<br/>MDM N1-1 Opr Htr<br/>N1-2 SDO 1B Card</p>  |  |  |